

#4

## Slater &amp; Matsil, L.L.P.

Suite 1000  
17950 Preston Road  
Dallas, Texas 75252  
Phone: (972) 732-1001 Facsimile: (972) 732-9218

RECEIVED  
CENTRAL FAX CENTER

JAN 16 2004

OFFICIAL

## FACSIMILE TRANSMITTAL SHEET

\*\*\* THE ACCOMPANYING MATERIAL MAY BE PRIVILEGED AND CONFIDENTIAL. IT IS INTENDED FOR THE SOLE USE OF THE NAMED RECIPIENT. PLEASE DELIVER PROMPTLY TO THE NAMED RECIPIENT ONLY. IF YOU HAVE RECEIVED THIS MATERIAL IN ERROR, PLEASE TELEPHONE THE SENDER FOR INSTRUCTIONS. \*\*\*

TO: Nancy Johnson  
Office of Petitions

FAX NO.: 703-872-9306

FROM: Natalie Swider  
Legal Assistant

DATE: January 16, 2004

NO. OF PAGES: 18  
(including cover page)

RE: Application Serial No. 09/745,676  
Attorney Docket No. 00P9111 US

## MESSAGE

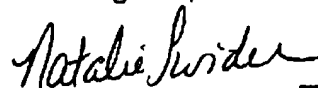
Dear Ms. Johnson,

Pursuant to our telephone conversation today, attached please find a copy of the Petition for Revival and related documents mailed to the USPTO on July 1, 2003, along with a copy of the stamped return receipt postcard acknowledging receipt of these documents by the OIPE on July 7, 2003.

As you requested, I will contact you again in a week to further discuss this matter.

Thank you for your help.

Best regards,



Natalie Swider  
Legal Assistant

RECEIVED

JAN 21 2004

OFFICE OF PETITIONS

The stamp of the USPTO, placed hereon, acknowledges receipt of:

Applicant: SCHROEDER, et al.

Docket No.: 00P9111 US

Serial No: 09/745,676

Art Unit: 2851

Filed: 12/21/2000

Date Mailed: July 1, 2003

TITLE: Method and Apparatus for Aerial Image Improvement in Projection  
Lithography Using a Phase Shifting Aperture

Received by:  
Slater & Matsil L.L.P.

JUL 10 2003

Certificate of Mailing via First Class Mail (1 page)  
Petition for Revival of an Application... Abandoned Unintentionally (2 pages)  
Fee Transmittal (1 original and 1 copy = 2 pages)  
Response to Notice to File Missing Parts (1 page)  
Copy of Notice to File Missing Parts (2 pages)  
Declaration and Power of Attorney (3 pages)  
Formal Drawings (6 pages)  
Two (2) Return Postcards



Slater & Matsil, L.L.P.

RECEIVED

JAN 21 2004

OFFICE OF PETITIONS

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Schroeder, et al. Docket No.: 00P9111US  
Serial No.: 09/745,676 Art Unit: 2851  
Filed: 12/21/2000 Examiner: TBD  
For: Method and Apparatus for Aerial Image Improvement in Projection  
Lithography Using a Phase Shifting Aperture

Certificate of Mailing via First Class Mail (37 C.F.R. § 1.8(a))

Date of Deposit: July 1, 2003

I hereby certify that the below listed correspondence is being deposited with the United States Postal Service on the date indicated above as first class mail in an envelope addressed to: Attention: Office of Petitions, Commissioner for Patents, Mail Stop DAC, P. O. Box 1450, Alexandria, VA 22313-1450.

Certificate of Mailing via First Class Mail (1 page)  
Petition for Revival of an Application... Abandoned Unintentionally (2 pages)  
Fee Transmittal (1 original and 1 copy = 2 pages)  
Response to Notice to File Missing Parts (1 page)  
Copy of Notice to File Missing Parts (2 pages)  
Declaration and Power of Attorney (3 pages)  
Formal Drawings (6 pages)  
Two (2) Return Postcards

Respectfully submitted,



Natalie Swider  
Legal Assistant

**RECEIVED**

JAN 21 2004

**OFFICE OF PETITIONS**

Slater & Matsil, L.L.P.  
17950 Preston Rd., Suite 1000  
Dallas, TX 75252  
Tel: 972-732-1001  
Fax: 972-732-9218

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED  
CENTRAL FAX CENTER

JAN 16 2004

Applicant: Schroeder, et al. Docket No.: 00P9111US  
Serial No.: 09/745,676 Art Unit: 2851  
Filed: 12/21/2000 Examiner: TBD  
For: Method and Apparatus for Aerial Image Improvement in Projection  
Lithography Using a Phase Shifting Aperture

OFFICIAL

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Response to Notice to File Missing Parts of Nonprovisional Application**

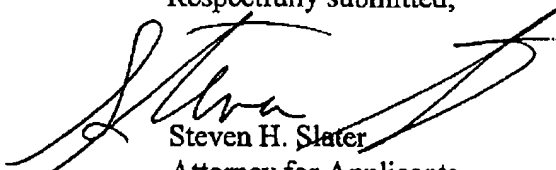
In response to the Notice to File Missing Parts of Nonprovisional Application dated February 6, 2001, Applicants respectfully submit the following application parts:

Copy of Notice to File Missing Parts of Nonprovisional Application  
Declaration and Power of Attorney  
Formal Drawings  
Required fee of \$130.00

This response is accompanied by a Petition for Revival of an Application for Patent Abandoned Unintentionally under 37 CFR 1.137(b). The petition fee of \$1300 is also included.

Applicants respectfully request acceptance of the enclosed Petition to Revive and entry of the enclosed missing parts.

Respectfully submitted,



Steven H. Slater  
Attorney for Applicants  
Reg. No. 35,361

Slater & Matsil, L.L.P.  
17950 Preston Rd., Suite 1000  
Dallas, TX 75252  
Tel: 972-732-1001  
Fax: 972-732-9218



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/745,676	12/21/2000	Paul Schroeder	00P9111US

CONFIRMATION NO. 1956

## FORMALITIES LETTER



\*OC000000005736821\*

Siemens Corporation  
Intellectual Property Department  
186 Wood Avenue South  
Iselin, NJ 08830

RECEIVED

JAN 21 2004

OFFICE OF PETITIONS

Date Mailed: 02/06/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice **MUST** be returned with the reply.*

*cha* *gn* *ctin*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003		Complete if Known	
Effective 01/01/2003. Patent fees are subject to annual revision.		Application Number	09/745,676
		Filing Date	12/21/2000
		First Named Inventor	Schroeder, et al.
		Examiner Name	TBD
		Art Unit	2851
<input type="checkbox"/> Applicant Claims small entity status. See 37 CFR 1.27		Attorney Docket No.	00P9111 US
TOTAL AMOUNT OF PAYMENT		(\$1) 1430.00	

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)																																																																																																																																																																														
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account Deposit Account Number: 50-1065 Deposit Account Name: Slater & Matsill, L.L.P. The Commissioner is authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	<b>3. ADDITIONAL FEES</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>2051</td> <td>130</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td>130.00</td> </tr> <tr> <td>1052</td> <td>2052</td> <td>50</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>1053</td> <td>130</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for <i>ex parte</i> reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>2251</td> <td>110</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>2252</td> <td>410</td> <td>205</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>2253</td> <td>930</td> <td>465</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>2254</td> <td>1,450</td> <td>725</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>2255</td> <td>1,970</td> <td>985</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>2401</td> <td>320</td> <td>160</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>2402</td> <td>320</td> <td>160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>2403</td> <td>280</td> <td>140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>2451</td> <td>1,510</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>2452</td> <td>110</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>2453</td> <td>1,300</td> <td>650</td> <td>Petition to revive - unintentional</td> <td>1300.00</td> </tr> <tr> <td>1501</td> <td>2501</td> <td>1,300</td> <td>650</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>2502</td> <td>470</td> <td>235</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>2503</td> <td>630</td> <td>315</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>2460</td> <td>130</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>2807</td> <td>50</td> <td>50</td> <td>Processing fee under 37 CFR 1.17(g)</td> <td></td> </tr> <tr> <td>1808</td> <td>2808</td> <td>180</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>8021</td> <td>8021</td> <td>40</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>1809</td> <td>2809</td> <td>750</td> <td>375</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>2810</td> <td>750</td> <td>375</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>2801</td> <td>750</td> <td>375</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802</td> <td>2802</td> <td>900</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> </tbody> </table>	Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid	1051	2051	130	65	Surcharge - late filing fee or oath	130.00	1052	2052	50	25	Surcharge - late provisional filing fee or cover sheet		1053	1053	130	130	Non-English specification		1812	2520	1812	2,520	For filing a request for <i>ex parte</i> reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	2251	110	55	Extension for reply within first month		1252	2252	410	205	Extension for reply within second month		1253	2253	930	465	Extension for reply within third month		1254	2254	1,450	725	Extension for reply within fourth month		1255	2255	1,970	985	Extension for reply within fifth month		1401	2401	320	160	Notice of Appeal		1402	2402	320	160	Filing a brief in support of an appeal		1403	2403	280	140	Request for oral hearing		1451	2451	1,510	1,510	Petition to institute a public use proceeding		1452	2452	110	55	Petition to revive - unavoidable		1453	2453	1,300	650	Petition to revive - unintentional	1300.00	1501	2501	1,300	650	Utility issue fee (or reissue)		1502	2502	470	235	Design issue fee		1503	2503	630	315	Plant issue fee		1460	2460	130	130	Petitions to the Commissioner		1807	2807	50	50	Processing fee under 37 CFR 1.17(g)		1808	2808	180	180	Submission of Information Disclosure Stmt		8021	8021	40	40	Recording each patent assignment per property (times number of properties)		1809	2809	750	375	Filing a submission after final rejection (37 CFR § 1.129(a))		1810	2810	750	375	For each additional invention to be examined (37 CFR § 1.129(b))		1801	2801	750	375	Request for Continued Examination (RCE)		1802	2802	900	900	Request for expedited examination of a design application	
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																										
1051	2051	130	65	Surcharge - late filing fee or oath	130.00																																																																																																																																																																										
1052	2052	50	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																											
1053	1053	130	130	Non-English specification																																																																																																																																																																											
1812	2520	1812	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																											
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																											
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																											
1251	2251	110	55	Extension for reply within first month																																																																																																																																																																											
1252	2252	410	205	Extension for reply within second month																																																																																																																																																																											
1253	2253	930	465	Extension for reply within third month																																																																																																																																																																											
1254	2254	1,450	725	Extension for reply within fourth month																																																																																																																																																																											
1255	2255	1,970	985	Extension for reply within fifth month																																																																																																																																																																											
1401	2401	320	160	Notice of Appeal																																																																																																																																																																											
1402	2402	320	160	Filing a brief in support of an appeal																																																																																																																																																																											
1403	2403	280	140	Request for oral hearing																																																																																																																																																																											
1451	2451	1,510	1,510	Petition to institute a public use proceeding																																																																																																																																																																											
1452	2452	110	55	Petition to revive - unavoidable																																																																																																																																																																											
1453	2453	1,300	650	Petition to revive - unintentional	1300.00																																																																																																																																																																										
1501	2501	1,300	650	Utility issue fee (or reissue)																																																																																																																																																																											
1502	2502	470	235	Design issue fee																																																																																																																																																																											
1503	2503	630	315	Plant issue fee																																																																																																																																																																											
1460	2460	130	130	Petitions to the Commissioner																																																																																																																																																																											
1807	2807	50	50	Processing fee under 37 CFR 1.17(g)																																																																																																																																																																											
1808	2808	180	180	Submission of Information Disclosure Stmt																																																																																																																																																																											
8021	8021	40	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																											
1809	2809	750	375	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																											
1810	2810	750	375	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																											
1801	2801	750	375	Request for Continued Examination (RCE)																																																																																																																																																																											
1802	2802	900	900	Request for expedited examination of a design application																																																																																																																																																																											
<b>1. BASIC FILING FEE</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>2001</td> <td>750</td> <td>375</td> <td>Utility filing fee</td> <td></td> </tr> <tr> <td>1002</td> <td>2002</td> <td>330</td> <td>165</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>1003</td> <td>2003</td> <td>520</td> <td>260</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004</td> <td>2004</td> <td>750</td> <td>375</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005</td> <td>2005</td> <td>160</td> <td>80</td> <td>Provisional filing fee</td> <td></td> </tr> </tbody> </table> <p style="text-align: right;">SUBTOTAL (1) (\$) 0.00</p>	Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid	1001	2001	750	375	Utility filing fee		1002	2002	330	165	Design filing fee		1003	2003	520	260	Plant filing fee		1004	2004	750	375	Reissue filing fee		1005	2005	160	80	Provisional filing fee																																																																																																																																												
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																										
1001	2001	750	375	Utility filing fee																																																																																																																																																																											
1002	2002	330	165	Design filing fee																																																																																																																																																																											
1003	2003	520	260	Plant filing fee																																																																																																																																																																											
1004	2004	750	375	Reissue filing fee																																																																																																																																																																											
1005	2005	160	80	Provisional filing fee																																																																																																																																																																											
<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>2202</td> <td>18</td> <td>9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>1201</td> <td>2201</td> <td>84</td> <td>42</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>1203</td> <td>2203</td> <td>280</td> <td>140</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>1204</td> <td>2204</td> <td>84</td> <td>42</td> <td>**Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>1205</td> <td>2205</td> <td>18</td> <td>9</td> <td>**Reissue claims in excess of 20 over original patent</td> <td></td> </tr> </tbody> </table> <p style="text-align: right;">SUBTOTAL (2) (\$) 0.00</p> <p style="font-size: 0.8em;">** or number previously paid, if greater; For Reissues, see above</p>	Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid	1202	2202	18	9	Claims in excess of 20		1201	2201	84	42	Independent claims in excess of 3		1203	2203	280	140	Multiple dependent claim, if not paid		1204	2204	84	42	**Reissue independent claims over original patent		1205	2205	18	9	**Reissue claims in excess of 20 over original patent																																																																																																																																												
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																										
1202	2202	18	9	Claims in excess of 20																																																																																																																																																																											
1201	2201	84	42	Independent claims in excess of 3																																																																																																																																																																											
1203	2203	280	140	Multiple dependent claim, if not paid																																																																																																																																																																											
1204	2204	84	42	**Reissue independent claims over original patent																																																																																																																																																																											
1205	2205	18	9	**Reissue claims in excess of 20 over original patent																																																																																																																																																																											
Other fee (specify) _____ *Reduced by Basic Filing Fee Paid <b>SUBTOTAL (3) (\$1) 1430.00</b>																																																																																																																																																																															

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Steven H. Slater	Registration No. (Attorney/Agent)	35,363
Signature		Telephone	972-732-1001
		Date	1/16/2004

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.